



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

House Ethics and Oversight Committee

Republic Industrial and Energy Solutions

Wayne Disposal

March 23, 2023

East Palestine Incident

- Norfolk Southern train derailment on February 3 in East Palestine, Ohio
- 20 cars containing hazardous material
- Contaminated soil and contaminated water from the site were sent to Michigan between Feb 20-24.
- EPA issues a CERCLA order on February 27, 2023 and EPA becomes the lead decision maker at the site.



Hazardous Waste Disposal Facilities

Republic Industrial and Energy Solutions LLC (RIES)

- Located in Romulus
- Licensed hazardous waste storage and treatment facility (Part 111)
- Permitted Class I Hazardous Waste Disposal Well (Part 625)

Wayne Disposal Inc (WDI)

- Located in Van Buren Township
- Hazardous waste landfill (Part 111)

Lots of Questions and Concerns

Should people have been told?

Was it safe to transport this material?

Why does Michigan receive waste generated out-of-state?

Is this type of material supposed to be disposed at these locations?

Are these disposal locations reliable?

Is more of this waste coming to Michigan?

Why do these disposal sites exist in Michigan?

Waste Received From East Palestine Site

- RIES
 - 63 loads totaling 313,882 gallons of vinyl chloride-containing wastewater
 - Shipments received between 2/20/23 and 2/24/23
- Wayne Disposal
 - 15 loads totaling 360.43 tons
 - Disposed on 2/24/23
- We are not aware of any plans to send additional waste from East Palestine to Michigan at this time.

Hazardous Waste Transportation



NOTIFICATIONS



TRACKING

Hazardous Waste Transportation

What requirements are put on transporters to make sure the waste is safely delivered?

What does EGLE regulate?

What federal regulatory authority applies?

Interstate Commerce

Hazardous Waste Facilities

Wayne Disposal Inc.

Republic Industrial and
Energy Solutions LLC

Hazardous Waste Treatment, Storage, and Disposal Facilities – Part 111



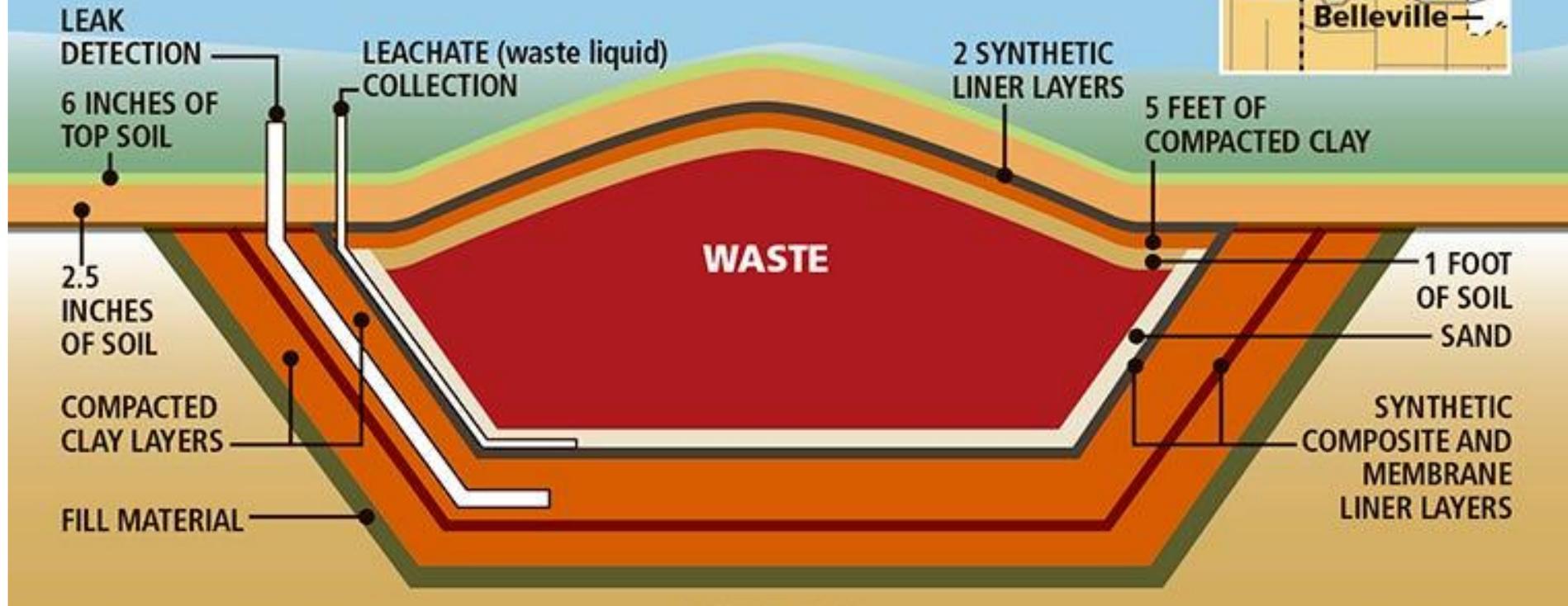
WDI Landfill Design – Part 11

Wayne Disposal's hazardous landfill near Belleville features two synthetic liners, a system for collecting leachate or accumulated liquids, a leak detection system, and layers of compacted clay.



WASTE CELL CROSS-SECTION

(not to scale, sizes vary)



Landfill Operation and Oversight – Part 111

Monitoring

Daily
requirements

Financial
assurance

Closure

Post Closure

Inspection

Enforcement



RIES – Part 111
regulates
surface activities

RIES – Part 111 Operation and Oversight

Monitoring

Financial
Assurance

Daily
requirements

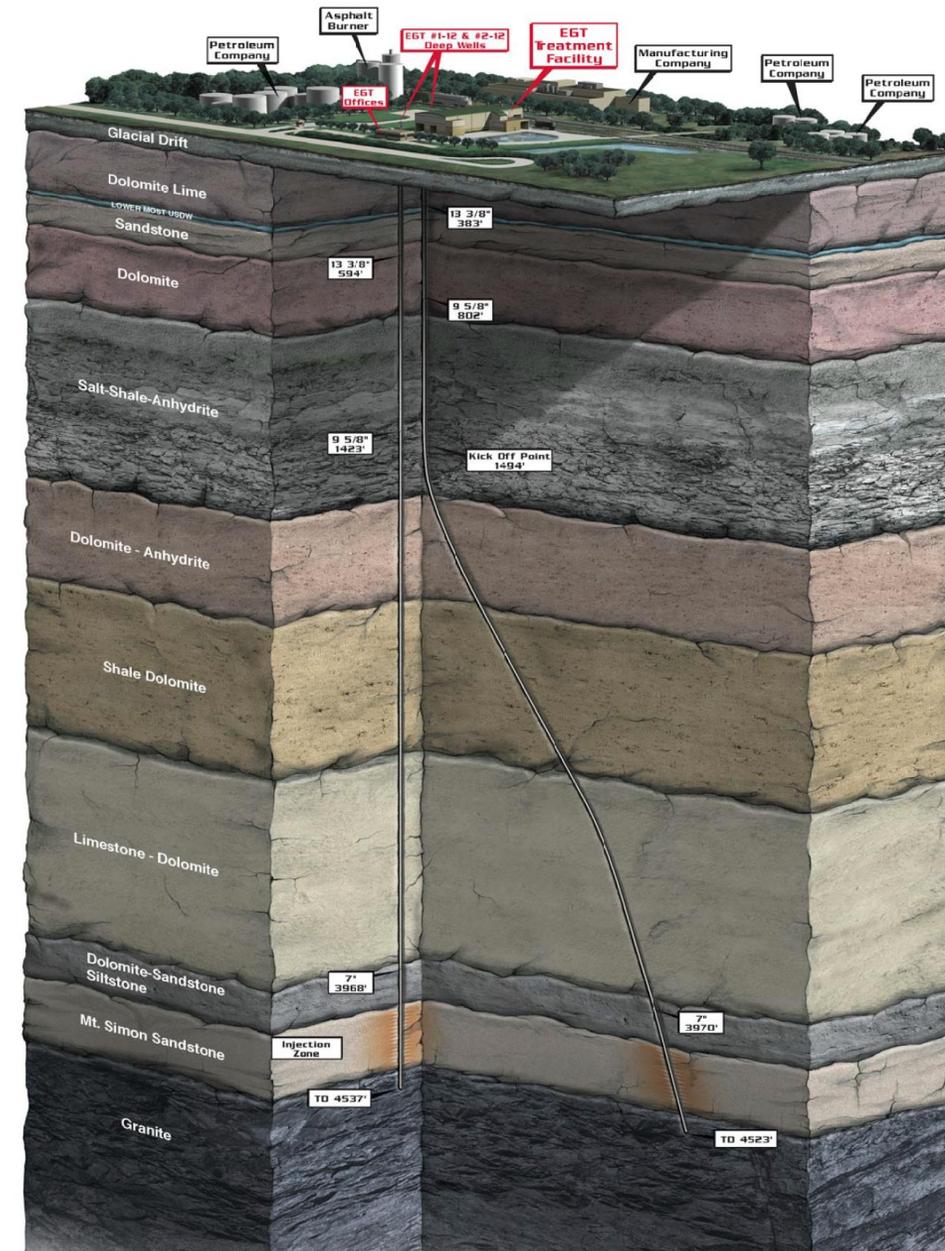
Closure

Inspections

Enforcement

RIES Deep Well Design – Part 625

- Approximately 4,600 feet deep
- Constructed with:
 - 4 concentric strings of steel casing
 - Casings cemented in place
 - Injection through tubing in innermost casing sealed near the bottom
 - Innermost casing pressurized
- Pressure monitoring



RIES Deep Well Operation and Oversight— Part 625

Monitoring
and daily
requirements

Financial
assurance

Closure

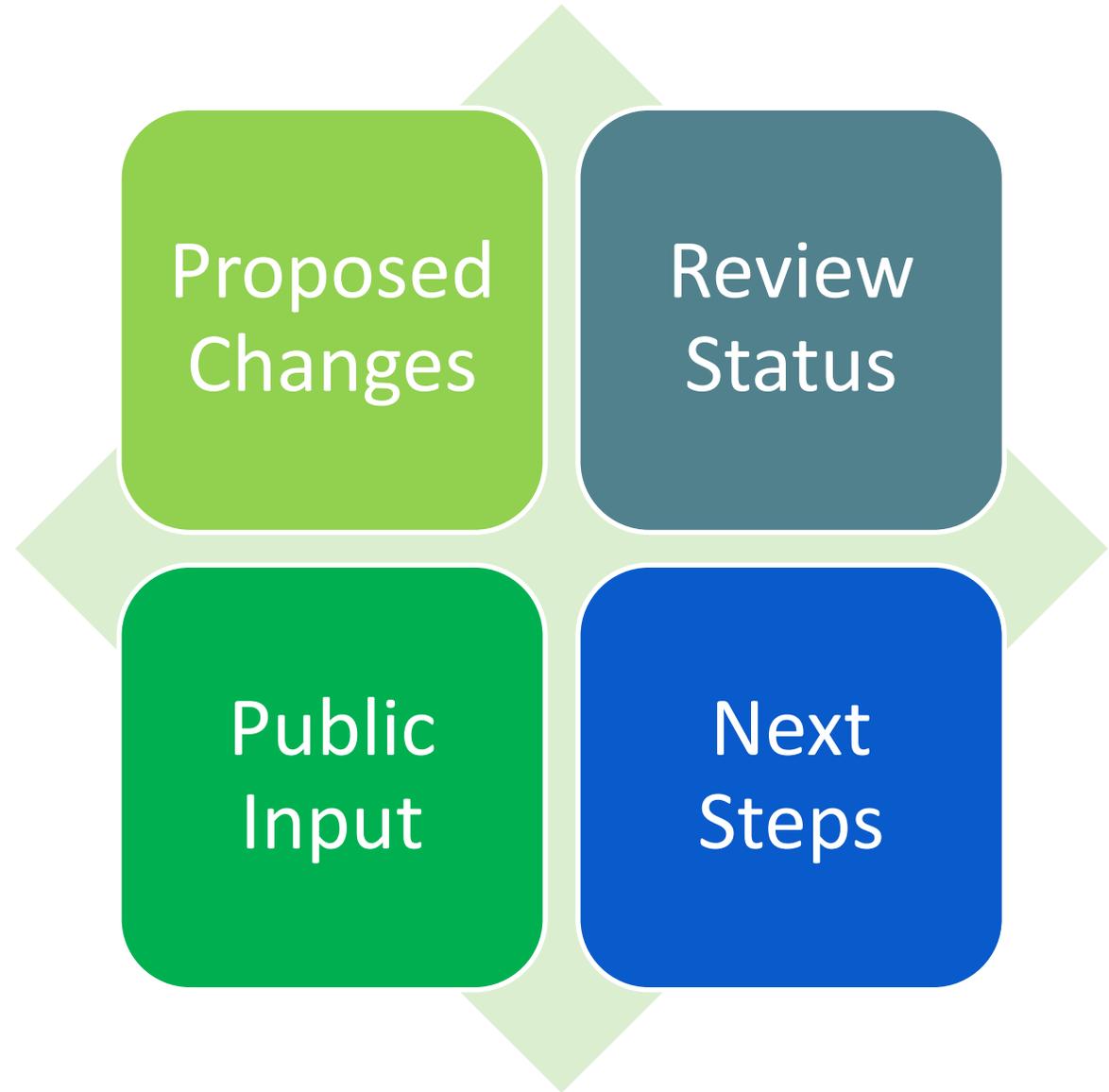
Inspections

Integrity
testing

Additional
EPA oversight

License Renewals and Statuses

Wayne Disposal License



RIES Site - Part 111 Facility License Renewal



Applies to surface activities for receiving, processing, and storing waste



Public notification and comment



Next steps

Michigan Department of
Environment, Great Lakes, and Energy

800-662-9278

Michigan.gov/egle



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